

CLAIMS

We claim as our invention:

1. A golf club head comprising:

a body having a crown, a sole, a front wall with an opening, and a ribbon with an

5 exterior recess opposite the opening, the body composed of a non-metal material, the body

having a mass ranging from 40 grams to 90 grams;

a striking plate insert positioned within the opening, the striking plate insert

having a thickness in the range of 0.040 inch to 0.250 inch, the striking plate insert having a mass

ranging from 40 grams to 80 grams; and

10 a weighting member positioned within the recess of the ribbon, the weighting

member having a mass ranging from 30 grams to 60 grams and composed of a metal material;

wherein the golf club head has a coefficient of restitution of 0.80 to 0.94, and the

golf club head has a volume ranging from 330 cubic centimeters to 500 cubic centimeters.

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2. A golf club head comprising:
- a body having a crown, a sole, a front wall with an opening, and a ribbon with an exterior recess opposite the opening, the body composed of a non-metal material;
- 5 a striking plate insert positioned within the opening, the striking plate insert having a uniform thickness in the range of 0.040 inch to 0.250 inch, the striking plate insert having a mass ranging from 40 grams to 80 grams; and
- a weighting member positioned within the recess of the ribbon, the weighting member having a mass ranging from 30 grams to 60 grams and composed of a metal material;
- 10 wherein the golf club head has a coefficient of restitution of 0.80 to 0.94, and the golf club head has a volume ranging from 330 cubic centimeters to 500 cubic centimeters;
- wherein the golf club head has a height, as measured while in address position from the sole to the crown, ranging from 2.0 inches to 3.5 inches, and a width, from the toe end to the heel end ranging from 4.0 inches to 5.5 inches;
- 15 wherein the moment of inertia about the Izz axis through the center of gravity is greater than 3000 grams- centimeter squared, and the moment of inertia about the Iyy axis through the center of gravity is greater than 1900 grams- centimeter squared.

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- 5 3. A golf club head comprising:
- a body having a crown, a sole, a front wall with an opening, and a ribbon with an exterior recess opposite the opening, the body composed of a non-metal material;
- a striking plate insert positioned within the opening, the striking plate insert having a thickness in the range of 0.040 inch to 0.250 inch, the striking plate insert having a mass ranging
- 10 from 40 grams to 80 grams; and
- a weighting member positioned within the recess of the ribbon, the weighting member having a mass ranging from 30 grams to 60 grams and composed of a tungsten alloy material;
- wherein the golf club head has a coefficient of restitution of 0.82 to 0.89, the golf
- 15 club head has a volume ranging from 360 cubic centimeters to 450 cubic centimeters, the golf club head has a mass ranging from 190 grams to 225 grams, the moment of inertia about the I_{zz} axis through the center of gravity is greater than 3000 grams- centimeter squared, and the moment of inertia about the I_{yy} axis through the center of gravity is greater than 1900 grams- centimeter squared.

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